

WHAT IS CLAIMED IS

1. A flash discharge lamp comprising:
a glass tube;
5 a pair of electrodes i.e. an anode and a cathode,
oppositely disposed in at both ends of the glass tube;
a electro-conductive member is provided on the outer
surface of the glass tube;
a triggering electrode mounted on said cathode and
10 electrically connected to said electro-conductive member;
and
xenon gas sealed in said glass tube,
characterized in that said flash discharge lamp further
includes at least one High Temperature Resistant
15 electrode mounted on said cathode and at least one Getter
electrode mounted on said cathode and/or said anode.
2. The flash discharge lamp according to claim 1,
wherein it further includes said High Temperature
20 Resistant electrode affixed on said anode.
3. The flash discharge lamp according to claim 1,
wherein the said High Temperature Resistant electrode(s)
is/are positioned on the corresponding side of said
25 anode.
4. The flash discharge lamp according to claim 1,
wherein said Getter electrode(s) is/are positioned on the
corresponding side of the said cathode.
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5. The flash discharge lamp according to claim 1,
wherein said High Temperature Resistant electrode(s)
is/are made of Tantalum or Tantalum alloy.
- 35 6. The flash discharge lamp according to claim 5,
wherein said tantalum alloy is tantalum-niobium-titanium,
tantalum-niobium-zirconium, tantalum-vanadium-titanium,

tantalum-vanadium-zirconium, tantalum-titanium or
tantalum-zirconium alloy.

7. The flash discharge lamp according to claim 1,
5 wherein said High Temperature Resistant electrode(s)
is/are made of niobium or niobium alloy.

8. The flash discharge lamp according to claim 7,
wherein said niobium alloy is niobium-tantalum-titanium,
10 niobium-tantalum-zirconium, niobium-vanadium-titanium,
niobium-vanadium-zirconium, niobium-titanium or niobium-
zirconium alloy.

9. The flash discharge lamp according to claim 1,
15 wherein said High Temperature Resistant electrode(s)
is/are made of vanadium or vanadium alloy.

10. The flash discharge lamp according to claim 9,
wherein said vanadium alloy is vanadium-niobium-titanium,
20 vanadium-niobium-zirconium, vanadium-tantalum-titanium,
vanadium-tantalum-zirconium, vanadium-titanium or
vanadium-zirconium alloy.

11. The flash discharge lamp according to claim 1,
25 wherein said Getter electrode(s) is/are made of titanium
or titanium alloy.

12. The flash discharge lamp according to claim 11,
wherein said titanium alloy is titanium-aluminum-cerium,
30 barium, calcium, cesium alloy.

13. The flash discharge lamp according to claim 1,
wherein said Getter electrode(s) is/are made of zirconium
or zirconium alloy.

35 14. The flash discharge lamp according to claim 13,
wherein said zirconium alloy is zirconium-titanium-

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aluminum-cerium, barium, calcium, cesium alloy.

15. The flash discharge lamp according to claim 2,
wherein the said High Temperature Resistant electrode(s)
5 is/are positioned on the corresponding side of said
anode.

16. The flash discharge lamp according to claim 2,
wherein said Getter electrode(s) is/are positioned on the
10 corresponding side of the said cathode.

17. The flash discharge lamp according to claim 2,
wherein said High Temperature Resistant electrode(s)
is/are made of Tantalum or Tantalum alloy.
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18. The flash discharge lamp according to claim 17,
wherein said tantalum alloy is tantalum-niobium-titanium,
tantalum-niobium-zirconium, tantalum-vanadium-titanium,
tantalum-vanadium-zirconium, tantalum-titanium or
20 tantalum-zirconium alloy.

19. The flash discharge lamp according to claim 2,
wherein said High Temperature Resistant electrode(s)
is/are made of niobium or niobium alloy.
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20. The flash discharge lamp according to claim 19,
wherein said niobium alloy is niobium-tantalum-titanium,
niobium-tantalum-zirconium, niobium-vanadium-titanium,
niobium-vanadium-zirconium, niobium-titanium or niobium-
30 zirconium alloy.

21. The flash discharge lamp according to claim 2,
wherein said High Temperature Resistant electrode(s)
is/are made of vanadium or vanadium alloy.
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22. The flash discharge lamp according to claim 21,
wherein said vanadium alloy is vanadium-niobium-titanium,

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vanadium-niobium-zirconium, vanadium-tantalum-titanium,
vanadium-tantalum-zirconium, vanadium-titanium or
vanadium-zirconium alloy.

5 23. The flash discharge lamp according to claim 2,
wherein said Getter electrode(s) is/are made of titanium
or titanium alloy.

10 24. The flash discharge lamp according to claim 23,
wherein said titanium alloy is titanium-aluminum-cerium,
barium, calcium, cesium alloy.

15 25. The flash discharge lamp according to claim 2,
wherein said Getter electrode(s) is/are made of zirconium
or zirconium alloy.

20 26. The flash discharge lamp according to claim 25,
wherein said zirconium alloy is zirconium-titanium-
aluminum-cerium, barium, calcium, cesium alloy.